



BARNES & THORNBURG LLP

11 South Meridian Street
Indianapolis, Indiana 46204
(317) 236-1313
(317) 231-7433 Fax

ITW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Customer No. 23643

Group: 1632

Confirmation No.: 9910

Application No.: 10/775,386

Invention: BIOMATERIAL DERIVED FROM
VERTEBRATE LIVER TISSUE

Inventor: Stephen F. Badylak

Filed: February 10, 2004

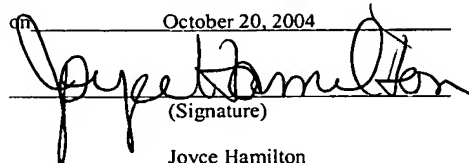
Attorney Docket: 3220-74469

Examiner: Unknown

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

October 20, 2004



(Signature)

Joyce Hamilton
(Printed Name)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Statement is filed in the application identified above pursuant to 37 C.F.R. § 1.56. No representation is intended that a complete search has been made of the prior art or that no better art references than listed below are available. The filing of this Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in §1.56(b).

Pursuant to 37 C.F.R. §1.98(d), copies of the references are not required since the listed references were cited during prosecution of parent U.S. Application Serial No. 10/134,416 filed April 29, 2002, which is relied upon for an earlier effective filing date under 35 U.S.C. § 120.

Please charge any fees that might be due in connection with this Information
Disclosure Statement to our Deposit Account No. 10-0435 for our matter 3220-74469.

Respectfully submitted,
BARNES & THORNBURG

A handwritten signature in black ink, appearing to read 'Kitisri Sukhapinda', written over a horizontal line.

Kitisri Sukhapinda, Ph.D.
Registration No. 47116
Attorney for Applicants

Direct phone: 317-231-7221
email: KSUKHAPINDA@BTLaw.com
Phone: 317.236.1313
Fax: 317.231.7433
Enclosures: Form PTO 1449 (2 sheets)
683941_1



BARNES & THORNBURG LLP

11 South Meridian Street
Indianapolis, Indiana 46204
(317) 236-1313
(317) 231-7433 Fax

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Customer No. 23643

Group: 1632

Confirmation No.: 9910

Application No.: 10/775,386

Invention: BIOMATERIAL DERIVED FROM
VERTEBRATE LIVER TISSUE

Inventor: Stephen F. Badylak

Filed: February 10, 2004

Attorney Docket: 3220-74469

Examiner: Unknown

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on _____

(Signature)

Joyce Hamilton
(Printed Name)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Statement is filed in the application identified above pursuant to 37 C.F.R. § 1.56. No representation is intended that a complete search has been made of the prior art or that no better art references than listed below are available. The filing of this Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in § 1.56(b).

Pursuant to 37 C.F.R. § 1.98(d), copies of the references are not required since the listed references were cited during prosecution of parent U.S. Application Serial No. 10/134,416 filed April 29, 2002, which is relied upon for an earlier effective filing date under 35 U.S.C. § 120.

Sheet 1 of 2

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 3220-74469	SERIAL NO. 10/775,386
	APPLICANT Stephen F. Badylak	
	FILING DATE February 10, 2004	GROUP 1632

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	4,352,887	10/05/1982	Reid et al.			
	AB	4,642,292	2/10/1987	Reid et al.			
	AC	4,645,669	2/24/1987	Reid			
	AD	4,801,299	1/31/1989	Brendel et al.			
	AE	4,829,000	5/09/1989	Kleinman et al.			
	AF	4,902,508	2/20/1990	Badylak et al.			
	AG	5,281,422	1/25/1994	Badylak et al.			
	AH	5,352,463	10/04/1994	Badylak et al.			
	AI	5,725,826	1/04/1994	Badylak et al.			
	AJ	6,379,710	4/30/2002	Badylak			
	AK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL	218,065	4/15/87	EP			
	AM						
	AN						
	AO						
	AP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Kleinman et al., "Formation of a Supramolecular Complex is Involved in the Reconstitution of Basement Membrane Components," <i>Biochemistry</i> , Vol. 22, pp. 4969-4974, (1983).
	AS	Kleinman et al., "Basement Membrane Complexes With Biological Activity," <i>Biochemistry</i> , Vol. 25, No. 2, Jan. 28, pp 312-318.
	AT	Wewer et al., "Human Laminin Isolated in a Nearly Intact, Biologically Active Form From Placenta by Limited Proteolysis," <i>J. of Biol. Chem.</i> , Vol. 258, No. 20, pp. 12654-12660, (Oct. 25, 1983).
	AU	Madison et al., "Increased Rate of Peripheral Nerve Regeneration Using Bioresorbable Nerve Guides and a Laminin-Containing Gel," <i>Exp. Neurology</i> , Vol. 88, pp. 767-772, (1985).
	AV	Kleinman et al., "Isolation and Characterization of type IV procollagen, laminin, and heparan sulfate proteoglycan from the EHS sarcoma," <i>Biochemistry</i> , Vol. 21, pp. 6186-6193, (1982).
	AW	Vukicevic et al., "Identification of Multiple Active Growth Factors In Basement Membrane Matrigel Suggests Caution In Interpretation Of Cellular Activity Related To Extracellular Matrix Components," <i>Exp. Cell. Res.</i> , Vol. 202, pp. 1-8.
	AX	Saad et al., "Crude Liver Membrane Fractions And Extracellular Matrix Components As Substrata Regulate Differentially The Preservation And Inducibility Of Cytochrome -450 Isoenzymes In Cultured Rat Hepatocytes," <i>Eur. J. Biochem.</i> , Vol. 213, pp. 805-814, (1993).
	AY	Saad et al., "Crude Liver Membrane Fractions As Substrate Preserve Liver-specific Functions In Long-term Serum-free Rat Hepatocyte Cultures," <i>In Vitro Cell Dev. Bio.</i> , 29A; pp. 32-40, (Jan. 1993).
	AZ	Rakotoarivony et al., "Comptes Rendus Hebdomadaires Des Seances De L'Academie Des Sciences D," <i>Sciences Natruelles</i> 284(7): 565-568 (Feb. 14, 1977). Abstract.

Examiner	Date Considered
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

BASED ON FORM PTO 1449



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 3220-74469	SERIAL NO. 10/775,386
	APPLICANT Stephen F. Badylak	
	FILING DATE February 10, 2004	GROUP 1632

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	BL						
	BM						
	BN						
	BO						
	BP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

BR	Carlson et al. <i>Renal Physiology</i> 3 (1-6): 280-287 (1980). Abstract
BS	Meezan et al., <i>Biol. Chem. Basement Membr., Proc. Int. Symp.</i> 1st (1978), Meeting Date 1976, 17-30. Abstract.
BT	Dixit et al., <i>Artif. Organs</i> 16(4): 336-341 (1992). Abstract.
BU	Gibbons et al., <i>Eur. J. Biochem.</i> 66(2): 243-250 (1976). Abstract.
BV	
BW	
BX	
BY	
BZ	

Examiner	Date Considered
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.